



2#542  
J. Douglas  
8/29/03 LER

# POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number 09/715,778  
Filing Date November 17, 2000  
First Named Inventor Dennis  
Title Prioritizing Resource in...  
Art Unit  
Examiner Name  
Attorney Docket Number NC 84,779

PTO/SB/81 (05-03)  
Approved for use through 11/30/2005. OMB 0651-0035  
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I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

## SIGNATURE of Applicant or Assignee of Record

Name Thomas E. McDonnell

Signature *Thomas E. McDonnell*

Date 23 Jan 2003

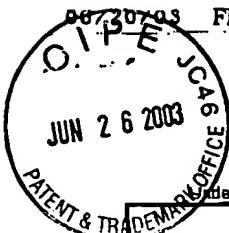
Telephone 703-696-4000

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☐ Total of \_\_\_\_\_ forms are submitted.

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/98 (04-03)

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**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: United States of America as Represented by the Secretary of NavyApplication No./Patent No.: 09/715,778 Filed/Issue Date: November 17, 2000Entitled: "Prioritizing Resource Utilization in Multi-Thread Computing"  
Entitled: System-UTILITYUnited States of America as  
Represented by the Secretary of Navy Government Agency  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by percentage) of its ownership interest is \_\_\_\_\_ %  
in the patent application/patent identified above by virtue of either:

A. [ ] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B. [X] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Jack B. Dennis To: Acorn Networks, Inc.  
The document was recorded in the United States Patent and Trademark Office at  
Reel 011633, Frame 0764, or for which a copy thereof is attached.  
United States of America as Represented
2. From: Acorn Networks, Inc. To: by the Secretary of Navy  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

[ ] Additional documents in the chain of title are listed on a supplemental sheet.

[X] Copies of assignments or other documents in the chain of title are attached.  
(NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08)

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

22 June 2003  
Date  
703-696-7022  
Telephone number

Thomas E. McDonnell  
Typed or printed name  
Thomas E. McDonnell  
Signature  
Patent Counsel of the Navy  
Title

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This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

## ASSIGNMENT

WHEREAS, ACORN NETWORKS, INC., a corporation organized under the laws of \_\_\_\_\_ is the lawful owner of the entire right, title, and interest in the following patents and/or patent applications:

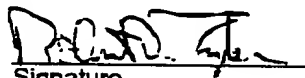
Patent Title	Application/Patent Number	Inventors
Real-Time Scheduler Method and Apparatus	Patent #US 6,195,699 B1	Jack B Dennis
Multithread Computer Design to Support an Advanced Programming Model	60/166,684	Jack B Dennis
Multiple Buffer Queuing of Data Packets with High Throughput Rate	09/688,407	Tam-Anh Chu
Multi-Thread Peripheral Processing Using Dedicated Peripheral Bus	09/715,772	Jack B Dennis, Sam B Sandbote
Locking Memory Accesses in Multi-Thread Computing System	09/715,773	Jack B Dennis
Prioritizing Resource Utilization in Multi-Thread Computing System	09/715,778	Jack B Dennis
Priority Mechanism for a Multithreaded Computer	60/166,685	Jack B Dennis
Integrated Processor for Multithread Computer with Real-Time Input/Output Capability	60/166,686	Jack B Dennis
Data-Locking Scheme for Multithread Computer	60/166,667	Jack B Dennis
System and Method for Processing Overlapping Tasks in a Programmable Network Processor Environment	09/833,581	Jack B Dennis, Joel Z Apisdorf, Sam B. Sandbote
System and Method for Data Forwarding in a Programmable Network Processor Environment	09/833,578	Jack B Dennis, Joel Z Apisdorf, Michael D Poole
System and Method for Instruction-Level Parallelism in a Programmable Network Processor Environment	09/833,580	Joel Z Apisdorf, Sam B. Sandbote
Adaptive Control of Multiplexed Input Buffer Channels	09/859,150	Sam B Sandbote
Shift Processing Unit	09/933,786	Sam B Sandbote


WHEREAS, the Government of the United States, as represented by the Secretary of the Navy and hereinafter referred to as the Government, is desirous of acquiring an assignment of the invention disclosed in said applications and/or patents; and

WHEREAS, Acorn Networks, Inc., is desirous of granting such an assignment;

NOW, THEREFORE, in consideration of good and valuable consideration the receipt of which is hereby acknowledged, Acorn Networks, Inc. hereby assigns and transfer to the Government the entire right, title and interest in and to U.S. Patent No. 6,195,699, and in and to U.S. Patent Application Nos. 60/166,684, 09/688,407, 09/715,772, 09/715,773, 09/715,778, 60/166,685, 60/166,686, 60/166,667, 09/833,581, 09/833,578, 09/833,580, 09/859,150, and 09/933,786, and the entire right, title and interest in and to any continuation, division, or substitution thereof, and such Letters Patent as may issue therefrom and any reissue or extensions thereof, said invention, application and Letters Patent to be held by the Government to the end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by Acorn Networks, Inc. had this assignment not been made.

Executed this 11<sup>th</sup> day of JUNE, 2002, at ALEXANDRIA, VA

  
Signature

  
Title

UNITED STATES BANKRUPTCY COURT  
Eastern District of Virginia  
Alexandria Division

In Re:

CASE NO. 02-81375-RGM

ACORN NETWORKS, INC.

Debtor(s)

(Chapter 7)

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APPOINTMENT OF INTERIM TRUSTEE AND TRUSTEE  
AND DESIGNATION OF REQUIRED BOND

---

ROBERT O. TYLER of ALEXANDRIA, VIRGINIA,

is hereby appointed Interim Trustee for the estate(s) of the above named debtor(s). Unless a trustee is elected at the meeting of creditors to be called pursuant to Section 341 of Title 11, United States Code, in the above referenced case, the Interim Trustee shall serve as Trustee.


This case is covered by the blanket bond for Chapter 7 case Trustees, a copy of which is on file with the Court.

March 26, 2002

Dated

W. Clarkson McDow, Jr.  
United States Trustee

By:

  
Dennis J. Early  
Asst. U.S. Trustee  
115 S. Union Street  
Suite 210  
Alexandria, Virginia 22314  
(703) 557-7176

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UNITED STATES DEPARTMENT OF COMMERCE  
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OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP  
COSTA MESA  
JUNE 06, 2001  
STATUS DB-LA

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
THINH V. NGUYEN  
12400 WILSHIRE BLVD, 7TH FLR.  
LOS ANGELES, CA 90025

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BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN  
LOS ANGELES

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UNITED STATES PATENT AND TRADEMARK OFFICE  
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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 11/17/2000

REEL/FRAME: 011633/0764  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

DENNIS, JACK B.

DOC DATE: 11/16/2000

ASSIGNEE:

ACORN NETWORKS, INC.  
11491 SUNSET HILLS ROAD, SUITE 350  
RESTON, VIRGINIA 20190

SERIAL NUMBER: 09715778  
PATENT NUMBER:

FILING DATE: 11/17/2000  
ISSUE DATE:

TARA WASHINGTON, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

## **ASSIGNMENT**

(For Execution Prior To Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned:

**Jack B. Dennis**

hereby sell, assign, and transfer to:

**Acorn Networks, Inc.**

a corporation of Delaware, having a principal place of business at 11491 Sunset Hills Road, Suite 350, Reston, Virginia 20190, ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and improvements that are disclosed in the application for the United States patent that has been executed by the undersigned prior hereto or concurrently herewith on the dates indicated below and is entitled:

### **Prioritizing Resource Utilization in Multi-Thread Computing System**

and in and to said application and all divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said inventions and improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

**Each inventor: Please also list the date that you signed the accompanying DECLARATION & POWER OF ATTORNEY**

[illegible]

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